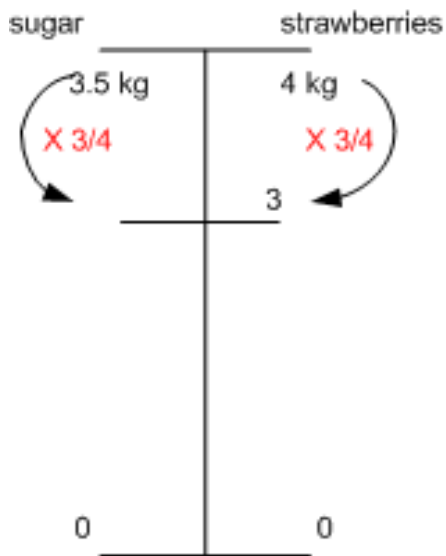


Strawberry Jam possible solutions:

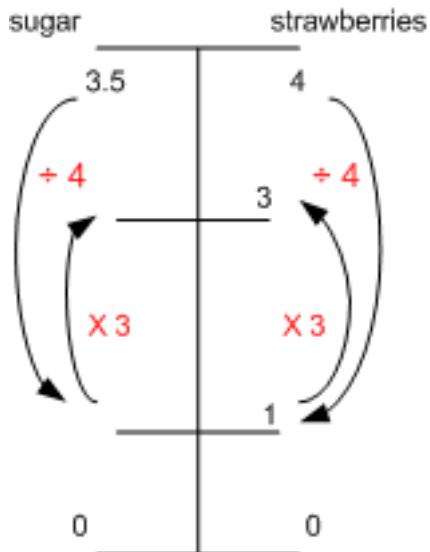
Solution 1:



Notice that 3, is three quarters of 4, so that three quarters of the sugar is needed.

Since three-quarters of the sugar is needed then calculate $\frac{3}{4}$ of 3.5, which is 2.625 or 2 and $\frac{5}{8}$.

Solution 2:

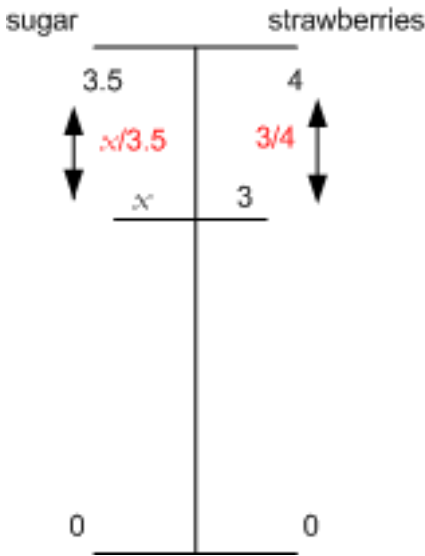


Unitary method. Find how much for 1 lb strawberries, then how much for 3 lbs.

$3.5 \div 4 = 0.875$ is how much sugar is needed for one lb of strawberries, so $3 \times 0.875 = 2.625$ is how much sugar is needed for 3 lbs of strawberries.

Solution 3:

Formal proportion, using algebra







$$\frac{x}{3.5} = \frac{3}{4}$$

and so

$$x = (3 \times 3.5) / 4 = 2.625$$

In this example the following four multiplicative relationships can be used:

Comparing sugar with strawberries (x and 3)				
				
Multiply by 3.5 / 4				
				
Multiply by 4 / 3.5				
3.5	4	 Multiply by 3/4	 Multiply by 4/3	Comparing sugar with sugar and berries with berries (x and 3.5)
x	3			
Sugar	Strawberries			